

CLAIMS

[1] A nonaqueous electrolyte battery comprising:

5 a positive electrode (1) including a positive
electrode active material layer;

a negative electrode (2) including a negative
electrode active material layer;

a nonaqueous electrolyte (5); and

10 a conductive material, contained in said positive
electrode active material layer, containing carbon black
having a specific surface area of at least $1 \text{ m}^2/\text{g}$ and less
than $800 \text{ m}^2/\text{g}$ and at least one material selected from a
group consisting of nitrides, carbides and borides.

15 [2] The nonaqueous electrolyte battery according to claim
1, wherein said conductive material contains said carbon
black and said nitride.

[3] The nonaqueous electrolyte battery according to claim
20 1 or 2, wherein said nitride includes a metal nitride.

[4] The nonaqueous electrolyte battery according to claim
3, wherein said metal nitride includes zirconium nitride
(ZrN or Zr_3N_2).

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[5] The nonaqueous electrolyte battery according to any of claims 1 to 4, wherein said at least one material selected from the group consisting of nitrides, carbides and borides has particles of at least 0.2 μm and not more than 5 μm in average particle diameter easily dispersed into said positive electrode active material layer.

[6] A nonaqueous electrolyte battery comprising:
a positive electrode (1) including a positive electrode active material layer;
a negative electrode (2) including a negative electrode active material layer;
a nonaqueous electrolyte (5); and
a conductive material, contained in said positive electrode active material layer, containing carbon black and at least one material, selected from a group consisting of nitrides, carbides and borides, having particles of at least 0.2 μm and not more than 5 μm in average particle diameter easily dispersed into said positive electrode active material layer.

[7] The nonaqueous electrolyte battery according to claim 6, wherein said conductive material contains said carbon black and said nitride.

[8] The nonaqueous electrolyte battery according to claim 6 or 7, wherein said nitride includes a metal nitride.

[9] The nonaqueous electrolyte battery according to claim 8, wherein said metal nitride includes zirconium nitride (ZrN or Zr₃N₂).

[10] The nonaqueous electrolyte battery according to any of claims 6 to 9, wherein said carbon black has a specific surface area of at least 1 m²/g and less than 800 m²/g.

[11] A nonaqueous electrolyte battery comprising:

a positive electrode (1) including a positive electrode active material layer;

15 a negative electrode (2) including a negative electrode active material layer;

a nonaqueous electrolyte (5); and

a conductive material, contained in said positive electrode active material layer, containing carbon black 20 having a specific surface area of at least 1 m²/g and less than 800 m²/g and zirconium nitride (ZrN or Zr₃N₂) having particles of at least 0.2 μm and not more than 5 μm in average particle diameter easily dispersed into said positive electrode active material layer.

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